

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---------------------------------|------------------|---------|---------------------|
| L1 | 114406 | (film or medium) with (IR or infrared) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:26 |
| L2 | 19 | (support or substrate) near (transparent\$2) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:27 |
| L3 | 104366 | (support or substrate) near (transparent\$2) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:27 |
| L4 | 4953 | 1 and 3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:27 |
| L5 | 7406 | (surfactant or (surface-active or extender)) near (dye or colorant or (coloring adj agent) or absorber or (absorbing adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:28 |
| L6 | 24 | 4 and 5 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:28 |
| L7 | 1 | ("20060257760").PN. | US-PGPUB; USPAT | OR | OFF | 2010/07/19 14:29 |
| L8 | 8 | (((Si or silicon\$1 or siloxy) with (surfactant or (surface-active or extender))) near (dye or colorant or (coloring adj agent) or absorber or (absorbing adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:31 |
| L9 | 2 | 8 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:36 |
| L10 | 37378 | (absorption or absorbing) adj (layer or coating or composition) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:39 |
| L11 | 13 | ((absorption or absorbing) adj (layer or coating or composition)) with ((surfactant or (surface-active) or (surface adj active adj agent)) same HLB) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:40 |
| L12 | 7 | 11 and (IR or infrared) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 14:41 |

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|-----|--------|--|---------------------------------|----|-----|---------------------|
| L13 | 1 | ("6417619").PN. | US-PGPUB; USPAT | OR | OFF | 2010/07/19 15:07 |
| L14 | 0 | 8 and 13 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:07 |
| L15 | 1 | infrared and 13 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:07 |
| L16 | 1 | 15 and (surfactant) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:07 |
| L17 | 736 | (surfactant or (surface adj active adj agent)) with ((IR or infrared) adj (dye or absorbing or absorber)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:41 |
| L18 | 35510 | (surfactant or (surface adj active adj agent)) with ((silicone or siloxane or dimethylsilicone or silane or acrylsilane or aminosilane)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:44 |
| L19 | 265 | 17 and 18 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:44 |
| L20 | 473678 | (support or (supporting adj memeber) or substrate) with (transparent or plastic or polyester or cellulose or polypropylene) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:45 |
| L21 | 234 | 19 and 20 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:45 |
| L22 | 2 | ((("20020127395") or ("4950052"))).PN. | US-PGPUB; USPAT | OR | OFF | 2010/07/19 15:50 |
| L23 | 1 | ("4783375").PN. | US-PGPUB; USPAT | OR | OFF | 2010/07/19 15:55 |
| L24 | 0 | 23 and filter | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:55 |
| L25 | 0 | 23 and electronic | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/07/19 15:55 |
| S1 | 156 | (film) and (dye) and infrared and (surfactant with (HLB)) and (mass or weight or percentage) and (resin or binder) and substrate | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:18 |
| S2 | 2 | S1 and (absorption adj film) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:20 |

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| S3 | 107 | S1 and (absorption) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:24 |
| S4 | 33987 | (silicone or fluorine) with (surfactant or (surface adj active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:25 |
| S5 | 1 | (silicone or fluorine) with (dimmonium adj salt) with (surfactant or (surface adj active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:25 |
| S6 | 0 | (silicone or fluorine) with (dimmonium adj salt) with (surfactant or (surface adj active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:26 |
| S7 | 89 | (silicone or fluorine) with (surfactant or (surface adj active adj agent)) and dimmonium | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:26 |
| S8 | 89 | S4 and S7 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:26 |
| S9 | 5 | S8 and (transparent adj (film or support or substrate)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:27 |
| S10 | 2 | S1 and S7 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:33 |
| S11 | 82 | S1 and S4 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:34 |
| S12 | 18 | S11 and (transparent adj (film or support or substrate)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:34 |
| S13 | 304 | (absorption adj film) with infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:50 |
| S14 | 3 | S13 and ((surfactant or (surface adj active adj agent)) with HLB) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 15:50 |
| S15 | 1 | ((("2002127395") or ("6255031")).PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 15:54 |
| S16 | 2 | ((("20020127395") or ("6255031")).PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 15:54 |
| S17 | 1 | ("20060257760").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 16:33 |
| S18 | 0 | ("L17and(substratewithresin)"). PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 16:33 |
| S19 | 1 | S17 and (substrate with resin) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 16:33 |

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| S20 | 5283 | (absorption or absorbing) adj film | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 17:48 |
| S21 | 274 | S20 and (infrared) and solvent and ketone | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 17:49 |
| S22 | 2169 | solvent with ketone with (concentration or mass) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 17:49 |
| S23 | 6 | S21 and S22 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 17:49 |
| S24 | 0 | (film) with ((remain%3) adj (solvent or solution)) with (mass or concentration) and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 18:06 |
| S25 | 41 | (film) with ((remain\$3) adj (solvent or solution)) with (mass or concentration) and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/04/09 18:06 |
| S26 | 2 | "6255031".pn. or "7381518".pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:02 |
| S27 | 1 | S26 and (surfactant or surface- active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:02 |
| S28 | 2 | "6255031".pn. or "20020127395".pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:02 |
| S29 | 1 | S27 and (surfactant or surface- active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:02 |
| S30 | 0 | S28 and (surfactant or surface- active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:03 |
| S31 | 0 | (infrared near film) with (surfactant or surface-active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:03 |
| S32 | 0 | (infrared adj film) with (surfactant or surface-active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:03 |
| S33 | 304 | (infrared adj film) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:03 |
| S34 | 64 | S33 and (surfactant or surface- active adj agent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:04 |
| S35 | 3 | S33 and (dye with (surfactant or surface-active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:04 |
| S36 | 45 | S33 and (dye and (surfactant or surface-active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:05 |

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|-----|--------|--|---------------------------------|-----|----|---------------------|
| S37 | 28 | S36 and @pd<"20040811" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:05 |
| S38 | 0 | "6531230".pn. and HLB | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:10 |
| S39 | 0 | "6531230".pn. and HLB | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/11/20 07:10 |
| S40 | 361458 | (surfactant or (surface-active adj agent) or (surgace adj active adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:15 |
| S41 | 484 | (surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance)) with (mass or percent) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:16 |
| S42 | 0 | S33 and S41 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:16 |
| S43 | 214 | film and S41 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:16 |
| S44 | 32 | S43 and (infrared) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:16 |
| S45 | 16 | S44 and (dye or colorant or (heat adj conversion adj material)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:17 |
| S46 | 1 | S45 and @pd<"20040811" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:17 |
| S47 | 231 | S33 and @pd<"20040811" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:22 |
| S48 | 42 | S34 and @pd<"20040811" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:22 |
| S49 | 13712 | (surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:23 |
| S50 | 0 | S33 and S49 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:23 |
| S51 | 7122 | (film or filter) and S49 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:23 |

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| S52 | 663 | S51 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:24 |
| S53 | 256 | S52 and @pd<"20040811" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:24 |
| S54 | 0 | "430".ccl.s. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:24 |
| S55 | 1341 | "430/7.ccl.s. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:24 |
| S56 | 0 | S53 and S55 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:24 |
| S57 | 182 | S53 and (absorb\$5) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:25 |
| S58 | 127 | S57 and (substrate or support) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:25 |
| S59 | 17 | S57 and (transparent with (substrate or support)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 07:25 |
| S60 | 9 | Cannon.as. and (transparent with (substrate or support)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:41 |
| S61 | 8 | S60 and (film or filter) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:41 |
| S62 | 1 | S61 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:41 |
| S63 | 1 | S61 and surfactant | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:41 |
| S64 | 320 | Toyo.as. and (transparent with (substrate or support)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:44 |
| S65 | 254 | S64 and (film or filter) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:44 |
| S66 | 30 | S65 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:45 |
| S67 | 13712 | (surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:45 |

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| S68 | 2 | S66 and S67 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:45 |
| S69 | 2 | S64 and S67 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:46 |
| S70 | 0 | Toya.as. and S67 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:46 |
| S71 | 47 | Toyo.as. and S67 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:46 |
| S72 | 2 | S71 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:46 |
| S73 | 5 | S71 and nm | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:46 |
| S74 | 1396 | Mori.in. and (transparent with (substrate or support)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:50 |
| S75 | 8 | S74 and S67 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:50 |
| S76 | 243 | S67 and (transparent with (substrate or support)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:52 |
| S77 | 234 | S76 and (film or filter) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:52 |
| S78 | 68 | S77 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:52 |
| S79 | 57 | S78 and (dye or colorant or (coloring adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 08:52 |
| S80 | 1 | ("4218250").PN. | US-PGPUB; USPAT | OR | OFF | 2009/11/20 08:55 |
| S81 | 0 | (pleochoric adj dye) with (nm or wavelength) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 09:12 |
| S82 | 42 | (pleochroic adj dye) with (nm or wavelength) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 09:12 |
| S83 | 4 | (pleochroic adj dye) with (infrared) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 09:15 |
| S84 | 1 | ("6703138").PN. | US-PGPUB; USPAT | OR | OFF | 2009/11/20 10:12 |

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| S85 | 222 | S67 with (dye or colorant or (coloring adj agent)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 10:14 |
| S86 | 25 | S85 and infrared | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 10:14 |
| S87 | 0 | ("2006021660").PN. | US-PGPUB; USPAT | OR | OFF | 2009/11/20 10:27 |
| S88 | 1 | ("20060216660").PN. | US-PGPUB; USPAT | OR | OFF | 2009/11/20 10:28 |
| S89 | 1 | ("20070042293").PN. | US-PGPUB; USPAT | OR | OFF | 2009/11/20 10:29 |
| S90 | 13 | S86 and (silicone or fluorine) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 10:45 |
| S91 | 1 | (anionic adj surfactant) with HLB | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 10:48 |
| S92 | 0 | (anionic adj (surface adj active adj agent)) with HLB | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/11/20 10:49 |
| S93 | 2 | ((("6902791") or ("20020046851")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/04/28 14:18 |
| S94 | 1 | ((("2001264532") or ("1126284")).PN. or ((11/323271) or (11/116826) or (10/156991)).APP. | JPO | OR | OFF | 2010/04/28 14:20 |
| S95 | 1 | ("5804353").PN. | US-PGPUB; USPAT | OR | OFF | 2010/05/05 12:41 |
| S96 | 3 | ((("20040157162") or ("20050227165") or ("6146792")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/05/05 12:59 |
| S97 | 3 | S96 and (printing adj plate) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/05/05 13:00 |
| S98 | 0 | S96 and (flexographic) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/05/05 13:01 |
| S99 | 0 | S96 and (flexographic) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/05/05 13:01 |
| S100 | 3 | S96 and (flexographic) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/05/05 13:01 |

7/ 19/ 2010 3:58:28 PM

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